

Magenta Research 2620063-02 MultiView DVI Video and Serial UTP/CAT5 Transmitter DVI-TX-S

Model: DVI-TX-S - DVI Video and Serial UTP/CAT5 Transmitter

DESCRIPTION

MultiView goes digital!

Until now, Magenta's world renowned MultiView Series operated exclusively in the analog domain, but the introduction of the MultiView II DVI Transmitter opens up even more possibilities for the switching, distribution and extension of video, audio and serial signals over UTP cable.

This product accepts a digital 1080p DVI-D video input and converts the signal to a 1080p analog signal for use with MultiView receivers.

Best of all, the MultiView II DVI-TX is fully compatible with Magenta's Mondo Matrix UTP-based switching platform, enabling digital signals to be infused into both new and existing Mondo-based projects. This ability adds even more adaptability to a switching system that can be configured in increments of 16 inputs/outputs, from 16x16 all the way to 256x512.

The MultiView II DVI-TX features a local DVI monitor-output and a series of external buttons to enable users to easily configure various DDC, sync and fourth-pair (on DVI-TX base model only) modes of operation.

For maximum performance, widescreen resolutions (1280x720/720p and 1920x1080/1080p) are recommended for use with the MultiView DVI Transmitter

FEATURES

- Compatible with MultiView receivers
- Backwards compatible with Magenta's Mondo Matrix switching platform
- Converts 1080p DVI-D input to 1080p analog output
- External configuration for DDC, sync and fourth pair modes
- Local DVI-D Output
- Rack-mountable

Available Versions

Product Functionality Part number 5

DVI-TX	Video & Audio 3	400R4136-01
DVI-TX-S	Transmit Only Serial (4)	400R4232-01
DVI-TX-232	Video & Duplex Serial	400R4137-01
DVI-TX-SA	Video, Stereo Audio & Duplex Serial	400R4138-01
DVI-TX-SAP	Video, Stereo Audio & Addressable Duplex Serial	400R3139-02

Notes:

1. Maximum distance capability is determined by receivers distance specification
2. Local output can used for local monitoring or for cascading to any other transmitter type
3. L/R Summed Audio: Both left and right channels from a stereo source are combined into one channel and are transmitted to both left and right speakers
4. Field configurable

SPECIFICATIONS

Item	Description
Cable Required	Category 5, 5e, 6 cable. Shielded or unshielded twisted pair. Low-skew.
Compliance	CE, FCC Class A, IC Class / Class A, UL listed I.T.E Device, RoHS.
Video Support	DVI-D, and HDMI by using a connector adapter for unprotected content only (non-HDCP).
Resolution & Refresh Rate	Established timings: 640x480 at 60Hz 800x600 at 60Hz 1024x768 at 60Hz 1280x1024 at 60Hz 1360x768 at 60Hz 1600x1200 at 60Hz 1680x1050 at 60Hz 1920x1080 at 60Hz 1920x1200 at 60Hz Detailed timings: 1920x1080 at 60Hz CEA video formats: 720x480p at (59.94,60Hz) at 4:3 720x576p at 50Hz at 4:3 1280x720p at 50Hz at 16:9 1280x720p at (59.94,60Hz) at 16:9 1920x1080p at 50Hz at 16:9 1920x1080p at (59.94,60Hz) at 16:9 Specific timings 1280x720 at 60Hz 720x480 at 59.94Hz 1920x1200 at 59.94Hz
	Video-input: Standard DVI-D interface specifications apply. DDC/EDID is supported. Standard auxiliary Signals (including -A and "S versions):

Interface Signal Details	<p>L+R summed audio input: 47K ohms input impedance. A source device with 600 ohms maximum output impedance is recommended.(analog audio input mode). Simplex RS-232 input: 4.75K ohms input impedance (RS-232 mode). SPDIF input: 75 ohms input impedance (S/PDIF input mode). Duplex (232) option module: Audio: Not supported. Duplex input: 4.75K ohms input impedance. Duplex (SA) or (SAP) option modules: Stereo L/R audio input: 10K ohms input impedance. A source device with 600 ohms maximum output impedance is recommended. RS-232 input: 4.75K ohms input impedance.</p>
Local-output Port Drive Impedance	<p>Standard DVI interface specifications apply (at local video-output port). DDC/EDID is supported.</p>
Audio Characteristics	<p>Standard (A) version: Left+Right summed audio. (232) version: This option module does not support audio. (SA) & (SAP) versions: Left/Right true stereo audio.</p> <p>Embedded digital audio is not supported. * For summed L+R analog-audio input, please select the 4th-pair configuration setting accordingly. * For stereo analog-audio input, please use an SA or SAP option module.</p>
Connectors	<p>Standard connectors: (2) DVI-female: Video in/out (1) RJ-45: MultiView CAT5 link output (1) 4 position phoenix: Auxiliary signal input (1) Coaxial (5.5mm OD, 2.5mm ID, 11mm L) jack: DC power input For (232), (SA) or (SAP) versions: (1) DB9-F: Serial I/O</p>
EDID/DDC	<p>This module supports the EDID/DDC connections on the DVI-I connectors.</p>
HDMI	<p>It is usually possible to connect to HDMI devices (via a plug-adapter or cable-adapter) if the source device is providing un-protected content only (non-HDCP). Embedded HDMI audio is not supported</p>
HDCP	<p>Not supported, even if a "HDMI-to-DVI" plug-adapter or cable-adapter is used.</p>
CEC	<p>Not supported, even if a "HDMI-to-DVI" plug-adapter or cable-adapter is used.</p>
Power	<p>Input voltage: +5 VDC at 1.2 Amps max. Consumption: 6 watts maximum</p>
Environmental	<p>Operating temperature: 32 to 104°F (0 to 40°C). Storage temperature: -4 to +140°F (-20 to +60°C). Humidity: 80% RH, non-condensing.</p>
Enclosure	<p>Steel (0.040"/1mm thick). Powder-coat black paint, white epoxy graphics.</p>
Size	<p>1.2"H x 4.2"W x 4.3"D (3.1 x 10.4 x 10.9 cm)</p>
Weight	<p>1.0 lb. (0.45 kg)</p>
MTBF	<p>100,000 hours.</p>